

Latoya Myles, Ph.D.

Selected Publications

Kathleen Quardokus Fisher, Eric Kaufman, Oriana Calagna, LaToya Myles, Carolyn Brinkworth, Denise R. Simmons & P. Grady Dixon (2019) **Developing scientists as champions of diversity to transform the geosciences**, *Journal of Geoscience Education*, DOI: 10.1080/10899995.2019.1618692

Lichiheb, N., L. Myles, E. Personne, M. Heuer, M. Buban, A. J. Nelson, S. Koloutsou-Vakakis, M. J. Rood, E. Joo, J. Miller and C. Bernacchi (2019). **Implementation of the effect of urease inhibitor on ammonia emissions following urea-based fertilizer application at a Zea mays field in central Illinois: A study with SURFATM-NH₃ model**. *Agricultural and Forest Meteorology* 269-270: 78-87.
<https://doi.org/10.1016/j.agrformet.2019.02.005>

Nelson, A.J., Lichiheb, N., Koloutsou-Vakakis, S., Rood, M.J., Heuer, M., Myles, L., Joo, E., Miller, J., and Bernacchi, C. 2019. **Ammonia Flux Measurements above a Corn Canopy using Relaxed Eddy Accumulation and a Flux-Gradient System**. *Agricultural and Forest Meteorology* 264, 104-113,
doi:10.1016/j.agrformet.2018.10.003.

Helen M. Amos, Chelcy F. Miniati, Jason Lynch, Jana Compton, Pamela H. Templer, Lori A. Sprague, Denise Shaw, Doug Burns, Anne Rea, David Whittall, LaToya Myles, David Gay, Mark Nilles, John Walker, Anita K. Rose, Jerad Bales, Jeffrey Deacon, and Richard Pouyat. **What Goes Up Must Come Down: Integrating Air and Water Quality Monitoring for Nutrients**. *Environmental Science & Technology* 2018 52 (20), 11441-11448
DOI: 10.1021/acs.est.8b03504

Nelson, A.J., S. Koloutsou-Vakakis, M.J. Rood, L. Myles, C. Lehmann, C. Bernacchi, S. Balasubramanian, E. Joo, M. Heuer, M. Vieira-Filho, and J. Lin. **Season-long Ammonia Flux Measurements above Fertilized Corn in Central Illinois, USA, using Relaxed Eddy Accumulation**. *Agricultural and Forest Meteorology* 239, 202-212. 2017. doi:10.1016/j.agrformet.2017.03.010.

Balasubramanian, S., A. Nelson, S. Koloutsou-Vakakis, J. Lin, M.J. Rood, L. Myles, and C. Bernacchi. **Evaluation of DeNitrification DeComposition Model for Estimating Ammonia Fluxes from Chemical Fertilizer Application**. *Agricultural and Forest Meteorology* 237, 123-134. 2017.
doi:10.1016/j.agrformet.2017.02.006.

Saylor, R.D., L. Myles, D. Sibble, J. Caldwell, and J. Xing. **Recent Trends in Gas-Phase Ammonia and PM_{2.5} Ammonium in the Southeast United States**. *Journal of the Air and Waste Management Association* 65, 347-357. 2015. doi:10.1080/10962247.2014.992554.

Walker, J.T., M.R. Jones, J.O. Bash, L. Myles, W. Luke, T. Meyers, D. Schwede, J. Herrick, E. Nemitz, and W. Robarge. **Processes of ammonia air-surface exchange in a fertilized Zea Mays canopy**. *Biogeosciences* 10, 981-998. 2013. doi:10.5194/bg-10-981-2013.

Myles, L., T.P. Meyers, M.W. Heuer, and Z.J. Hoyett. **A comparison of observed and parameterized SO₂ dry deposition over a grassy clearing in Duke Forest**. *Atmospheric Environment* 49, 212-218. 2012. doi: 10.1016/j.atmosenv.2011.11.059.

Anjaneyulu, Y., V.B.R. Dodla, C.V. Srinivas, L. Myles, W.R. Pendergrass, C.A. Vogel, H.P. Dasari, F. Tuluri, J.M. Baham, R. Hughes, C. Patrick, J. Young, and S. Swanier. **Simulation of surface ozone pollution in the Central Gulf Coastal region during summer synoptic condition using WRF/Chem air quality model**. *Atmospheric Pollution Research* 3, 55-71. 2012. doi:10.5094/APR.2012.005.

Myles, L., J. Kochendorfer, M.W. Heuer, and T.P. Meyers. **Measurement of trace gas fluxes over an unfertilized agricultural field using the flux-gradient technique**. *Journal of Environmental Quality* 40: 1359-

Allen, R., L. Myles, and M.W. Heuer. **Ambient ammonia in terrestrial ecosystems: A comparative study in the Tennessee Valley, USA.** *Science of the Total Environment* 409, 2768–2772. 2011.

doi:10.1016/j.scitotenv.2011.04.017.

Myles, L., R.J. Dobosy, T.P. Meyers, and W.R. Pendergrass. **Spatial variability of sulfur dioxide and sulfate over complex terrain in East Tennessee, USA.** *Atmospheric Environment* 43, 3024-3028. 2009. doi:

10.1016/j.atmosenv.2009.03.007.